**CLAIMS** 

What is claimed is:

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1. A fixed bearing prosthesis for total knee arthroplasty comprising: a femoral component; a

tibial component having a superior tibial platform, said superior tibial platform having an anterior

edge and a posterior edge; and a meniscal component, having an inferior meniscal surface, a superior

meniscal surface, an anterior meniscal edge and a posterior meniscal edge, said inferior meniscal

surface of said meniscal component fixedly attached to said superior tibial platform of said tibial

component and said posterior meniscal edge of said meniscal component having a generally

downwardly projecting ridge overlapping said posterior edge of said superior tibial platform.

10 2. The fixed bearing prosthesis of claim 1, wherein said femoral component further comprises

one of more condylar portions having substantially convex surfaces and said superior meniscal

surface further comprises one or more substantially concave depressions in articulating

communication with said substantially convex surfaces of said one or more condylar portions of said

femoral component.

3. The fixed bearing prosthesis of claim 1, wherein said femoral component further comprises a

femoral cam, said tibial component further comprises a tibial spine projecting upward from said

superior tibial platform, and said meniscal component further comprises a notch along said anterior

meniscal edge, said notch positioned as to allow said meniscal component to seat upon said tibial

platform around said tibial spine.

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A mobile bearing prosthesis for total knee arthroplasty comprising: a femoral component; a 4.

tibial component having a superior tibial platform, said superior tibial platform having an anterior

edge, a posterior edge, and an arcuate rail projecting upward from said superior tibial platform, said

arcuate rail extending from said anterior edge of said superior tibial platform to said posterior edge of

said superior tibial platform; and a meniscal component, having an inferior meniscal surface, a

superior meniscal surface, an anterior meniscal edge and a posterior meniscal edge, said inferior

meniscal surface having a keyway extending from said anterior meniscal edge to said posterior

meniscal edge, said keyway having a substantially similar shape as said arcuate rail on said superior

tibial platform and said keyway slidingly attached to said arcuate rail.

10 5. The mobile bearing prosthesis of claim 4, wherein said femoral component further comprises

one of more condylar portions having substantially convex surfaces and said superior meniscal

surface further comprises one or more substantially concave depressions in sliding communication

with said substantially convex surfaces of said one or more condylar portions of said femoral

component.

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6. The mobile bearing prosthesis of claim 4, wherein said arcuate rail on said superior tibial

platform and said keyway on said inferior meniscal surface have a t-shaped cross-section.

7. The mobile bearing prosthesis of claim 6, wherein said keyway on said inferior meniscal

surface further comprises a symmetrical y-shape branch, the tail portion of said y-shaped branched

keyway located on said anterior meniscal edge of said meniscal component and the branched portion

of said y-shaped branched keyway located on said posterior meniscal edge of said meniscal

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component, said y-shaped branched keyway allowing said meniscal component to be used for left knee arthroplasty and right knee arthroplasty.